

5 supporting the ribs for each ply sheet in spaced-apart parallelism, with the first edges of the ribs contacting the first side of the ply sheet, and gluing the first edges of the ribs to the first side of the ply sheet so that the ribs project perpendicularly from the ply sheet in spaced apart parallelism, with their second edges substantially within a common plane that is spaced from and parallel to the ply sheet, so as to produce a ribbed ply composed of the ply sheet and  
10 ribs;

stacking the ribbed plies with the second side of each ply sheet in contact with the second edges of the ribs on an adjacent ply sheet, and gluing the second edges of the ribs to the ply sheets they contact; and

following completion of the stacking of the ribbed plies, slicing the stack in a across  
15 the ribs, so as to create a plurality of cellular core members, each composed of the sliced plies and ribs.

5. The method of claim 4, further comprising:

providing a fixture for holding the ribs parallel to each other with the first edges of the ribs in a flat plane and exposed above the fixture;

mounting the ribs for a ribbed ply in said fixture, in parallel to each other and with the  
5 upper edges of the ribs in a flat plane exposed above the fixture;

adhesively attaching the ply sheet to the first edges of said ribs; and

allowing the adhesive to cure and then removing the ply sheet and the ribs from the fixture.

6. A method of making a core for a building panel, comprising: